

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A fuel reforming system comprising a fuel reformer for generating a reformed gas containing ~~the~~ hydrogen by using a gas containing vapors of a gas fuel or a liquid fuel and ~~the~~ oxygen, mixer of vapors of a gas fuel or a liquid fuel and a gas containing the hydrogen, supplier of vapors of a gas fuel or a liquid fuel into said fuel reformer through the mixer, supplier of a gas containing the oxygen into said fuel reformer through the mixer, and controller of first flow rate of the vapors of the gas fuel or the liquid fuel supplied into said fuel reformer and of second flow rate of the gas containing the oxygen supplied into said fuel reformer, further comprising:

detector of the first flow rate of the vapors;

detector of the second flow rate of the gas; and

temperature detector of at least one of the vapors of the gas fuel or the liquid fuel supplied into said fuel reformer, the gas containing the oxygen supplied into said fuel reformer, and mixture of vapors of the gas fuel or the liquid fuel and the gas containing the oxygen,

wherein a ratio of the first flow rate of the vapors to the second flow rate of the gas is corrected depending on the output of said temperature detector, and the gas containing the oxygen is supplied depending on the corrected ratio.

2. (Original) The fuel reforming system of claim 1,

wherein the flow rate of the gas fuel, the flow rate of the vapor of the liquid fuel, or the flow rate of the liquid fuel is corrected and supplied depending on the correction value of the ratio of the flow rate of the vapor of the gas fuel or the liquid fuel to the flow rate of the gas containing the oxygen.

3. (Currently Amended) A fuel reforming method of a fuel reforming system, said fuel reforming system having a fuel reformer for generating a reformed gas containing ~~the~~ hydrogen by using a gas containing vapors of a gas fuel or a liquid fuel and ~~the~~ oxygen, mixer of vapors of a gas fuel or a liquid fuel and a gas containing the hydrogen, first supplier of vapor of a gas fuel or a liquid fuel into said fuel reformer through the mixer, and second supplier of a gas containing the oxygen into said fuel reformer through the mixer, comprising:

supplying the liquid fuel into the first supplier;

detecting temperature of the vapor of the gas fuel or the liquid fuel supplied into said fuel reformer;

determining first correction coefficient of a ratio of first flow rate of the vapors of the gas fuel to second flow rate of the gas containing the oxygen according to the detected temperature;

detecting the first flow rate of the vapors;

determining the second flow rate to be supplied to the second supplier according to the detected first flow rate and the determined first correction coefficient; and

adjusting flow rate of the gas containing the oxygen into said fuel reformer by controlling the second supplier according to the determined second flow rate.

4. (Original) A fuel reforming method of a fuel reforming system of claim 3, wherein:

prior to supplying the liquid fuel, determining a required flow rate of the liquid fuel to be supplied to the first supplier of vapors according to a memorized fuel flow rate correction coefficient; and

after adjusting flow rate of the gas, determining the fuel flow rate correction coefficient according to the determined first correction coefficient.

5. (New) The system of claim 1, wherein the supplier of gas containing oxygen includes a device adapted to obtain atmospheric air, the gas containing oxygen being at least in part obtained from the atmospheric air.

6. (New) The system of claim 1, wherein the supplier of gas containing oxygen includes a compressor adapted to obtain atmospheric air, the gas containing oxygen being at least in part obtained from compressed atmospheric air obtained by the compressor.

7. (New) The method of claim 3, further comprising the action of obtaining atmospheric air and utilizing the atmospheric air for at least part of the gas containing oxygen.

8. (New) The system of claim 1, wherein the temperature detector detects the temperature of the vapors of the gas fuel or the liquid fuel, and wherein the output of the temperature detector is indicative of the temperature of the vapors of the gas fuel or the liquid fuel.

9. (New) The system of claim 1, wherein the temperature detector detects the temperature of the gas containing the oxygen, and wherein the output of the temperature detector is indicative of the temperature of the gas containing oxygen.

10. (New) The system of claim 1, further comprising a reforming reactor, wherein the mixer supplies the mixture of vapors of the gas fuel or the liquid fuel and the gas containing the oxygen to the reforming reactor.

11. (New) The system of claim 1, further comprising a reforming reactor, wherein the mixer supplies the mixture of vapors of the gas fuel or the liquid fuel and the gas containing

the oxygen to the reforming reactor, the mixture of gas and vapor supplied to the reforming reactor being non-combusted and non-converted.

12. (New) The method of claim 3, further comprising supplying the mixture of vapors of the gas fuel or the liquid fuel and the gas containing the oxygen to a reforming reactor.

13. (New) The method of claim 3, further comprising supplying the mixture of vapors of the gas fuel or the liquid fuel and the gas containing the oxygen, the mixture of gas and vapor supplied to a reforming reactor, the mixture being supplied in a non-combusted and non-converted state.